



# PRODHYDERM® IS ANTI-WRINKLE CE

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 25/08/2015

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Version: 3.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : PRODHYDERM® IS ANTI-WRINKLE CE

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Product for industrial use only  
Function or use category : Cosmetics

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

LETICC  
ZAC de la Prévôté - 6 Route de Bû  
78550 Houdan - France  
T 33 (0)1 30 461 012 - F 33 (0)1 30 597 008  
[prodhyg@prodhyg.com](mailto:prodhyg@prodhyg.com) - [www.prodhyg.com](http://www.prodhyg.com)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

#### 2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

#### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects : No additional information available.

Other hazards not contributing to the classification : None under normal conditions.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Glycerine	(CAS No) 56-81-5 (EC no) 200-289-5 (REACH-no) Exempté / Exempted (Reach Annexe V)	20	Not classified
Humulus Lupulus Cone Extract	(CAS No) 8060-28-4 (EC no) 232-504-3	15 - 16	Not classified
Rosmarinus Officinalis Leaf extract	(CAS No) 84604-14-8 (EC no) 283-291-9	15 - 16	Not classified
Citrus Limon Fruit Extract	(CAS No) 84929-31-7 (EC no) 287-515-8	15 - 16	Not classified
Pinus Sylvestris Cone Extract	(CAS No) 84012-35-1 (EC no) 281-679-2	15 - 16	Not classified
Equisetum Arvense Leaf Extract	(CAS No) 71011-23-9 (EC no) 275-123-8	15 - 16	Not classified

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Potassium Sorbate	(CAS No) 24634-61-5 (EC no) 246-376-1 (EC index no) E202 (REACH-no) 01-2119950315-41	0,2	Eye Irrit. 2, H319
Citric acid monohydrate	(CAS No) 5949-29-1 (EC no) 201-069-1 (REACH-no) 01-2119457026-42	0,2	Eye Irrit. 2, H319
Sodium benzoate	(CAS No) 532-32-1 (EC no) 208-534-8 (EC index no) E211 (REACH-no) 01-2119460683-35	0,2	Eye Irrit. 2, H319

Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: No special measures required.
First-aid measures after inhalation	: Assure fresh air breathing.
First-aid measures after skin contact	: Wash skin with mild soap and water.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes.
First-aid measures after ingestion	: Rinse mouth out with water.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Not considered hazardous under normal conditions of use.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: carbon dioxide (CO <sub>2</sub> ), foam, hazy water, powder.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: No open fire, no smoking.
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#### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Protection during firefighting	: Use a self-contained breathing apparatus and also a protective suit.
Other information	: Avoid (reject) fire-fighting water to enter environment.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: To our knowledge, the product does not present any particular risk, under normal conditions of use.
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##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

Protective equipment	: Wear non-slip shoes.
Emergency procedures	: For further information refer to section 8 : Exposure-controls/personal protection.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment	: Liquid spill: take up in sand, earth, vermiculite.
Methods for cleaning up	: Place in an appropriate container and dispose of the contaminated material at a licensed site.

#### 6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Do not eat, drink or smoke when using this product.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.

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### 7.2. Conditions for safe storage, including any incompatibilities

Storage temperature	: 10 - 20 °C (If possible)
Storage area	: Store away from heat/moisture.
Packaging materials	: Always keep in containers made of the same material as the supply container.

### 7.3. Specific end use(s)

No additional information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Glycerine (56-81-5)

France	VME (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
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### 8.2. Exposure controls

Personal protective equipment	: Protective clothing. Safety glasses.
Hand protection	: No specific measures are necessary.
Eye protection	: In case of splash hazard: safety glasses
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: No specific measures are necessary.



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow to amber.
Odour	: weak.
Odour threshold	: No data available
pH	: 3,5 - 6
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Density	: 1,04 - 1,06 @ 20°C
Solubility	: Soluble in water. Soluble in alcohol.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions of use.

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### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

No dangerous reactions known.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Glycerine (56-81-5)

LD50 oral rat Environ 12600 mg/kg Considered as non toxic.

LD50 dermal rabbit > 10000 mg/kg

#### Citric acid monohydrate (5949-29-1)

LD50 oral rat 11700 mg/kg

#### Sodium benzoate (532-32-1)

LD50 oral rat 3140 mg/kg

LD50 dermal rabbit > 2000 mg/kg based on benzoic acid

LC50 inhalation rat (mg/l) > 12,2 mg/l No mortality based on benzoic acid

#### Potassium Sorbate (24634-61-5)

LD50 oral rat 4920 mg/kg

LC50 inhalation rat (ppm) > 5,15 mg/l (rat 4h) (OCDE 403)

Skin corrosion/irritation : Not classified

pH: 3,5 - 6

Serious eye damage/irritation : Not classified

pH: 3,5 - 6

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

#### Citric acid monohydrate (5949-29-1)

NOAEL chronic oral rat (2 years): 1200 mg/kg

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Glycerine (56-81-5)

LC50 fish 1 > 10000 mg/l 24h - Daphnia Magna

LC50 other aquatic organisms 1 > 100 mg/l

EC50 other aquatic organisms 1 > 1000 mg/l Bacteria, active mud

LC50 fish 2 54000 mg/l 96h - Salmo gairdner, Oncorhynchus mykissl

LC50 other aquatic organisms 2 > 10000 mg/l Leuciscus idus

ECo Pseudomonas putida EC5>10000 mg/l/16h

#### Citric acid monohydrate (5949-29-1)

LC50 fish 1 1516 - 1710 mg/l 96h Lepomus macrochirus

LC50 fish 2 440 - 760 mg/l 96h Leuciscus idus

Additional information CE100 - 72h daphnia magna = 120mg/l

#### Sodium benzoate (532-32-1)

LC50 fish 1 460 mg/l Leuciscus idus melanotus

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<b>Sodium benzoate (532-32-1)</b>	
EC50 Daphnia 1	> 100 mg/l 48 h - Daphnia magna
EC50 other aquatic organisms 1	> 10 mg/l
<b>Potassium Sorbate (24634-61-5)</b>	
LC50 fish 1	1250 mg/l 96 h - Brachidanio rerio
EC50 Daphnia 1	750 mg/l 48 h - Daphnia magna
LC50 fish 2	> 1000 mg/l 96h Oncorhynchus mykiss OCDE 203
Additional information	CE 50 (3h) 100 mg/l, activated sludge (OCDE 209 aquatic)

### 12.2. Persistence and degradability

<b>Glycerine (56-81-5)</b>	
Persistence and degradability	Product is biodegradable.
Chemical oxygen demand (COD)	1,16 g O <sub>2</sub> /g substance (ISO 15705)
ThOD	1,217 g O <sub>2</sub> /g substance
BOD (% of ThOD)	71 % ThOD
Biodegradation	> 60 % 28d
<b>Citric acid monohydrate (5949-29-1)</b>	
Persistence and degradability	Readily biodegradable.
Chemical oxygen demand (COD)	0,7 - 0,8 g O <sub>2</sub> /g substance ANHYDROUS FORM
Biodegradation	> 98 % 2 days (Test Aahn-Wellens)
<b>Sodium benzoate (532-32-1)</b>	
Persistence and degradability	Readily biodegradable. > 70% (Closed Bottle test).
<b>Potassium Sorbate (24634-61-5)</b>	
Persistence and degradability	Readily biodegradable (OCDE 301 D).

### 12.3. Bioaccumulative potential

<b>Glycerine (56-81-5)</b>	
Log Pow	-1,76 - 2,6
<b>Citric acid monohydrate (5949-29-1)</b>	
Log Pow	- 1,67
Bioaccumulative potential	None under normal conditions.
<b>Sodium benzoate (532-32-1)</b>	
Log Pow	-2,27
Bioaccumulative potential	Weak.
<b>Potassium Sorbate (24634-61-5)</b>	
Log Kow	-1,72 (20°C ; pH 6.5)
Bioaccumulative potential	No data available.

### 12.4. Mobility in soil

<b>Glycerine (56-81-5)</b>	
Surface tension	0,063 N/m @ 20°C
<b>Sodium benzoate (532-32-1)</b>	
Mobility in soil	env.72.9 mN/m, env. 20
<b>Potassium Sorbate (24634-61-5)</b>	
Ecology - soil	No data available.

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods	: Collect all waste in suitable and labelled containers and dispose according to local legislation.
Ecology - waste materials	: Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

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### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR) : Not applicable

##### IMDG

Transport hazard class(es) (IMDG) : Not applicable

##### IATA

Transport hazard class(es) (IATA) : Not applicable

##### ADN

Transport hazard class(es) (ADN) : Not applicable

##### RID

Transport hazard class(es) (RID) : Not applicable

#### 14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

#### 14.6. Special precautions for user

##### - Overland transport

No data available

##### - Transport by sea

No data available

##### - Air transport

No data available

##### - Inland waterway transport

Not subject to ADN : No

##### - Rail transport

Carriage prohibited (RID) : No

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

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Contains no substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Data sources : F.D.S. Leticc.

Other information : **DISCLAIMER OF LIABILITY** The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Full text of H- and EUH-phrases:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*

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